

FIG. 1A

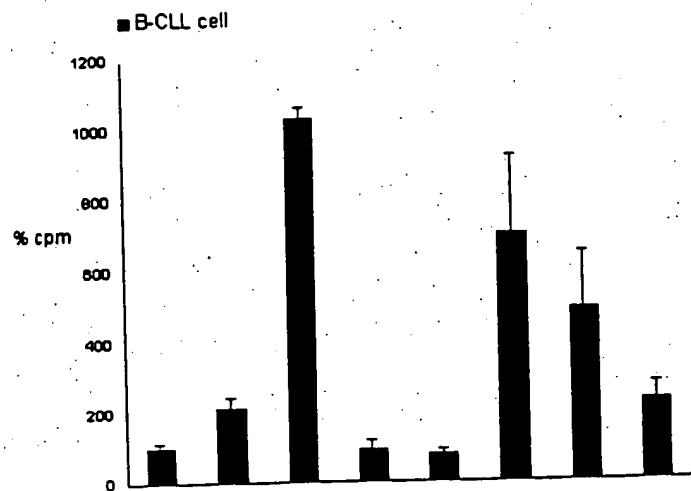


FIG. 1B

IL-2	-	+	-	-	-	+	+	+
IL-7	-	-	+	-	-	+	-	-
IL-7W143A	-	-	-	+	-	-	+	-
IL-7W143H	-	-	-	-	+	-	-	+

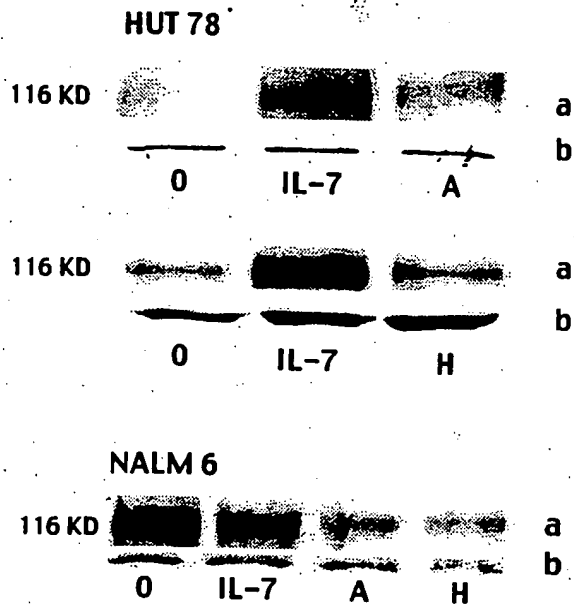


FIG. 2

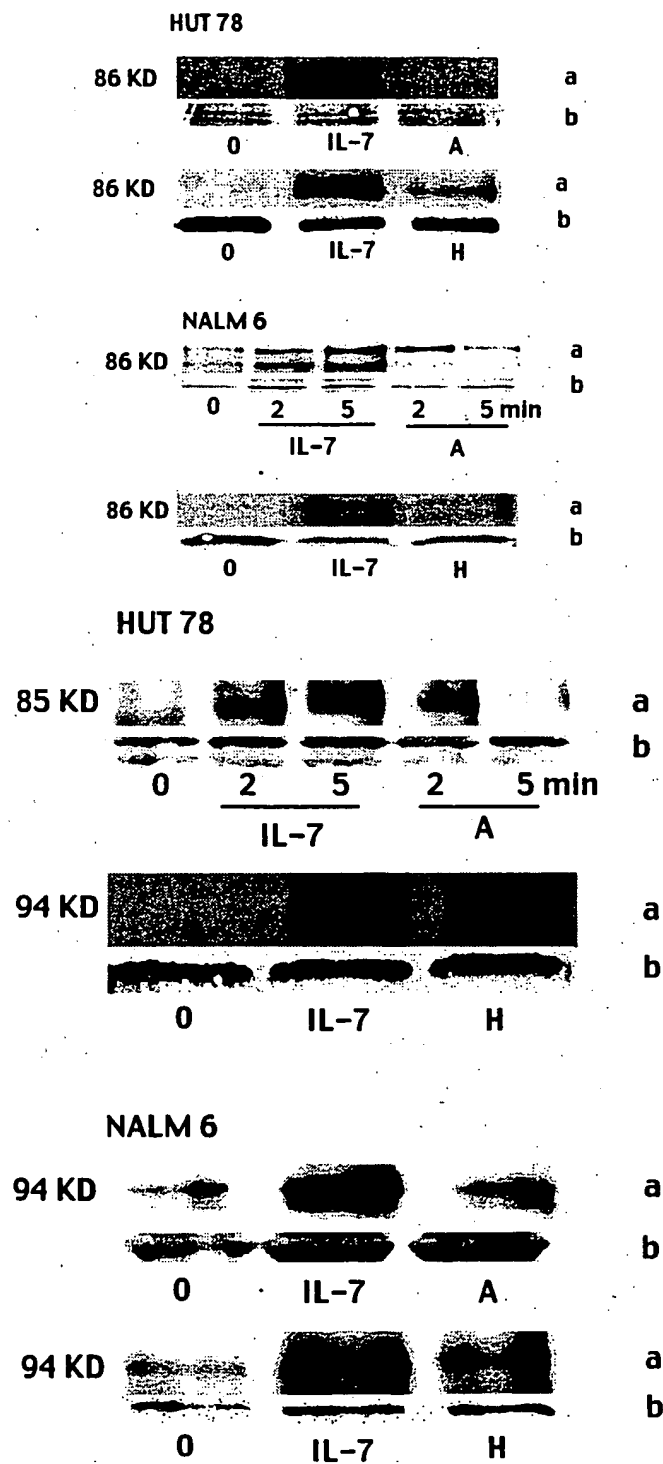


FIG. 3

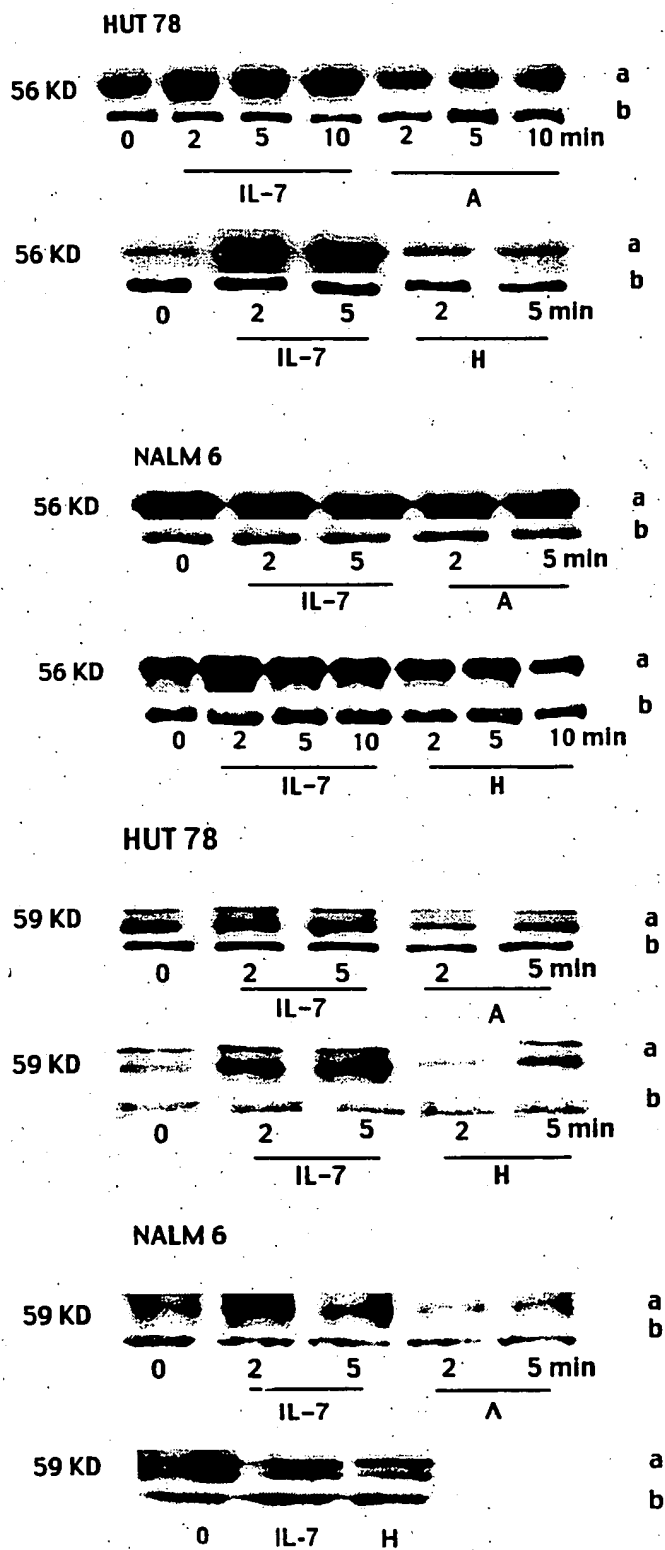


FIG. 4

1 mfhvsfryif glpplilvll pvasscdie gkdgkqyesv lmvsidqlld smkeigsnccl
61 nnefnffkrh icdankegmf lfraarklrq flkmnstgdf dlhllkvseg ttillnctgq
121 vkgrkpaalg eaqptkslee nkslkeqkkl ndlcflkrll geiktcwnki lmgtkkeh

FIG. 5

	HUT78			NALM6		
	Native IL-7	IL7W143A	IL-7W143H	Native IL-7	IL-7W143A	IL-7W143H
p116 ^{Jak3}	7.7	1.3	1.8	1.1	0.4	0.2
p86 ^{STAT3}	6.2	0.7	1.3	3.8	1.1	1.3
p85-94 ^{STAT3}	5.1	1.92	2.2	7.1	1.2	1.6
p56 ^{kck}	1.5	0.8	0.2	1.06	1.03	0.8
p59 ^{lyn}	3.1	0.8	0.7	2.96	0.54	1.04

FIG 6